Chapter 13
Resolution of Issues and Health Improvement Using Big Data and IoT

Mamata Rath
https://orcid.org/0000-0002-2277-1012
Birla Global University, India

ABSTRACT

With the development of promising technology, industrial, and instructive enhancement, there are greater changes in the lifestyles of people in smart cities, and also there is more chance of health problems in urban areas. The way of life of individuals in metro-urban areas with expansive volume of populace is similarly influenced by different application and administration frameworks. In this way, the majority of the urban communities are transforming into smart urban areas by receiving mechanized frameworks in every conceivable segment. Therefore, there are more health-related issues, and health hazard issues can be identified in urban areas. This chapter carries out a detailed survey of health issues and improved solutions in automated systems using big data analytics, IoT, and smart applications.

DOI: 10.4018/978-1-5225-8555-8.ch013
INTRODUCTION

Giving quality medical insurance to human beings all over the globe has been a major welfare issue from the beginning of time. Indeed, even today, with developments in telemedicine and all the more promptly open wellbeing information, restorative suppliers have attempted to convey quick, quality consideration to individuals who live a long way from medical clinics and have restricted web get to. Conventional social insurance databases confront huge difficulties here because of network issues, however the blend of IoT gadgets and edge computing applications can make it less demanding to defeat these troubles. Versatile IoT gadgets created by edge computing organizations can accumulate, store, produce, and break down basic patient information without waiting be in steady contact with a network framework. Patients with wearable therapeutic gadgets can be analyzed rapidly and adequately on location, and the data accumulated from them can be bolstered once more into the focal servers at whatever point associations are restored. By interfacing with an edge server farm, IoT gadgets can broaden the scope of existing networks, empowering restorative staff to get to basic patient information even in territories with poor availability. This is only one of the edge computing use cases that can possibly enormously grow the range of human services administrations (R.Lomotey et.al, 2017).

Execution of safe ideas like of radiant homes, insightful urban areas, and intense of everything developed the Internet of Things (IoT) as a region of incomprehensible effect, imminent, and development. The wide-scale scattering of the Internet has been the primary purpose for this creating design, to be particular the use of such overall correspondence establishment for enabling machines and splendid articles to bestow, organize, and take decisions on certified word conditions (Rath et.al, 2015). These days, the development of the universe of the Internet of Thing is promising the blast of various gadgets associated with the Internet. The new business standards that the Internet of Things innovations empower are delivering a super-quick increment of machine-to-machine correspondences. This is a genuine market leap forward minute that opens up a considerable measure open doors for ventures and, by and large talking, for the entire society. Innately, it increments significantly the security problems, which could baffle a sizeable piece of Internet of Things’ potential advantages.


[www.igi-global.com/article/an-optimized-component-selection-algorithm-for-self-adaptive-software-architecture-using-the-component-repository/233523?camid=4v1a](www.igi-global.com/article/an-optimized-component-selection-algorithm-for-self-adaptive-software-architecture-using-the-component-repository/233523?camid=4v1a)